

REMARKS

Reconsideration and allowance are respectfully requested.

Editorial and U.S. patent practice changes have been made to the specification and abstract. Claims 11-22 are cancelled in favor of new claims 23-30. Entry is requested.

All claims stand rejected under 35 U.S.C. §102 as allegedly being anticipated by Haverinen. This rejection is respectfully traversed.

To establish that a claim is anticipated, the Examiner must point out where each and every limitation in the claim is found in a single prior art reference. *Scripps Clinic & Research Found. v. Genentec, Inc.*, 927 F.2d 1565 (Fed. Cir. 1991). Every limitation contained in the claims must be present in the reference, and if even one limitation is missing from the reference, then it does not anticipate the claim. *Kloster Speedsteel AB v. Crucible, Inc.*, 793 F.2d 1565 (Fed. Cir. 1986). Haverinen fails to satisfy this rigorous standard.

Haverinen describes authenticating a mobile node to a packet data network. A shared secret for both the mobile node and the packet data network is arranged by using a shared secret of the mobile node and a network authentication center. The mobile node sends its subscriber identity to the packet data network together with a "replay attack protector." The packet network obtains authentication triplets, forms a session key using them, and sends back to the mobile node challenges and a cryptographic authenticator made by using the session key. The mobile node then forms the rest of the authentication triplets using the challenges and then forms the session key. With the session key, the mobile node can check the validity of the cryptographic authenticator. If the authenticator is correct, the mobile node sends a cryptographic response formed using the session key to the packet data network for authenticating itself to the packet data network.

Claim 23 now recites “re-running an authentication and key agreement procedure defined for the radio communication network between a mobile node and an authentication server of the radio communication network,” “providing a shared secret resulting from the re-running of the authentication and key agreement procedure to a stable forwarding agent of the mobile routing system,” and “using the shared secret to authenticate the mobile node to the stable forwarding agent.” Once the mobile node is authenticated to the stable forwarding agent, the stable forwarding agent “collect[s] subscriber contact information from the authentication server” and uses that “subscriber information to assign a Fully Qualified Domain Name (FQDN) and/or an IP address to the mobile node.” As a result of the trust created between the authentication server and the stable forwarding agent, the stable forwarding agent can trust the subscriber contact information that it receives. One non-limiting example use might be that if the contact information identifies the subscriber’s home domain as “sonera.net”, the stable forwarding agent can ensure that a FQDN assigned to the mobile node includes that home domain “sonera.net” as the FQDN suffix.

Haverinen does not disclose re-running an authentication and key agreement procedure to achieve this functionality. Nor does Haverinen teach assigning an FQDN and/or IP address to the mobile node by making use the subscriber contact information collected by the stable forwarding agent from the authentication server. Rather than making a static FQDN/IP address allocation within the stable forwarding agent, the claimed approach provides a simple but secure way to assign a suitable Fully Qualified Domain Name and/or IP address to the mobile node using subscriber contact information collected from the authentication server by “piggybacking” on the reused authentication process.

Similar features are also missing from apparatus claim 30.

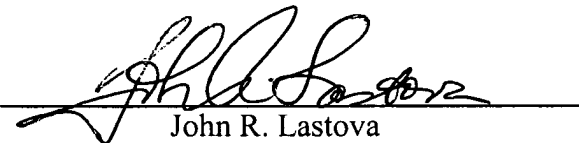
NIKANDER et al.
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Lacking all the features from claims 23 and 30, the application is in condition for allowance. An early notice to that effect is requested.

Respectfully submitted,

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By:

A handwritten signature in black ink, appearing to read "John R. Lastova", is written over a horizontal line.

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